

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A method for performing a high-throughput analysis, in which samples are analyzed in a continuous manner and in which biochips placed onto a substrate and having a plurality of measurement spots are used, comprising:

applying a sample liquid to the plurality of measuring spots of the biochip, thereby forming spot arrays; and

analyzing the sample liquid, wherein flushing or reagent liquids are applied from above the substrate onto the spots of the spot arrays located on the substrate, and electrical measurements are carried out from below the substrate with the aid of contact elements,

wherein the applying and the analyzing are effected simultaneously at different spots of the spot arrays or biochips, and

wherein the substrate is moved to permit a continuous measurement at a speed determined by a movement cycle of the substrate, and

wherein at least during the measurements at least one of the spot arrays is enclosed by a hollow body to create a spatial separation from other spot arrays.

2. (Currently Amended) The method as claimed in claim 1, wherein at least one of temperature regulation and air conditioning of the sample liquid is interposed between the applying and analyzing, ~~and wherein at least one of the spot arrays is enclosed by a hollow body to create a spatial separation from other spot arrays, and the hollow body is placed onto the biochip so that the hollow body encloses at least one spot array with a peripheral wall.~~

3. (Previously Presented) The method as claimed in claim 2, wherein the air conditioning, if performed, serves as residence time of the sample liquid on the biochip.

4. (Previously Presented) The method as claimed in claim 1, wherein a temperature regulation is effected following the applying of the sample liquid.

5-6. (Cancelled).

7. (Previously Presented) The method as claimed in claim 2, wherein the air conditioning of the sample liquid includes air conditioning of the gas phase present above the spot array by the hollow body.

8. (Cancelled).

9. (Previously Presented) The method as claimed in claim 1, wherein the substrate is one made of a flat material.

10. (Previously Presented) The method as claimed in claim 9, wherein a biochip arrangement with a band-shaped substrate made of flexible material is used.

11. (Previously Presented) The method as claimed in claim 10, wherein the band-shaped substrate is unwound from a roll and transported through an analysis device.

12. (Previously Presented) The method as claimed in claim 1, wherein the substrate is one populated with electrically readable biochips.

13. (Previously Presented) The method as claimed in claim 1, wherein the substrate is one on which analysis-specific data are present.

14. (Previously Presented) The method as claimed in claim 1, wherein, for temperature control of the spot array or a reaction that takes place there, heat is supplied or dissipated from the rear side region of the substrate opposite to the array.

15. (Currently Amended) The method as claimed in claim 14, wherein, for the purpose of supplying heat or dissipating heat, the rear side region is brought into planar-area contact with a coolable or heatable body.

16. (New) The method as claimed in claim 1, wherein the hollow body is placed onto the biochip so that the hollow body encloses at least one spot array with a peripheral wall.

***** END CLAIM LISTING *****